



The background of the slide is a high-angle aerial photograph of a coastal region. On the left, a sandy beach meets the deep blue ocean with white-capped waves. To the right, a large, flat valley opens up towards distant, low-lying mountains under a clear, light blue sky.

UCSB HYPERLOOP

ASFB Funding Proposal

INTRO



Introduction

TEAM

Hyperloop

Competition

Sponsors

ASFB Funding

TEAM

- **Structures & Integration:** Trevor Fritz, Kyle Collett, Lucas Dewey, Viraj Khatri, Nathan Ransom
 - Faculty Advisor: Professor [Tyler Susko](#), PhD, Mechanical Engineering, MIT
 - Graduate Student Advisor: Petros Serbana
- **Aerodynamics & Levitation:** Sarah Conley, Dasun Hemachandra, Annie Kim, Kristine Lai, Daniel Vong
 - Faculty Advisor: Dr [Greg Dahlen](#), PhD, Mechanical Engineering, UCSB
 - Graduate Student Advisor: Brian Gibson
- **Electrical Engineering:** Chris Johnson, Mary Alice Callaghan, Juan Castillo, Elena Georgieva, Terrence Tran
 - Faculty Advisor: Professor [Ilan Ben-Yaacov](#), PhD, Electrical and Computer Engineering (ECE), UCSB
 - Power Electronics Advisor: Dr Jim Honea, PhD, ECE, UCSB
 - Graduate Student Advisor: Stephanie Johnson
- **Computer Engineering:** Celeste Bean, Connor Buckland, Ben Hartl, Cameron McCarthy, Connor Mulcahey
 - Faculty Advisor: Dr [John Johnson](#), PhD, ECE, UCSB
 - Graduate Student Advisor: Will Miller
- **Finance & Marketing:** Christian Arita, Ivan Gouvea

Introduction

Team

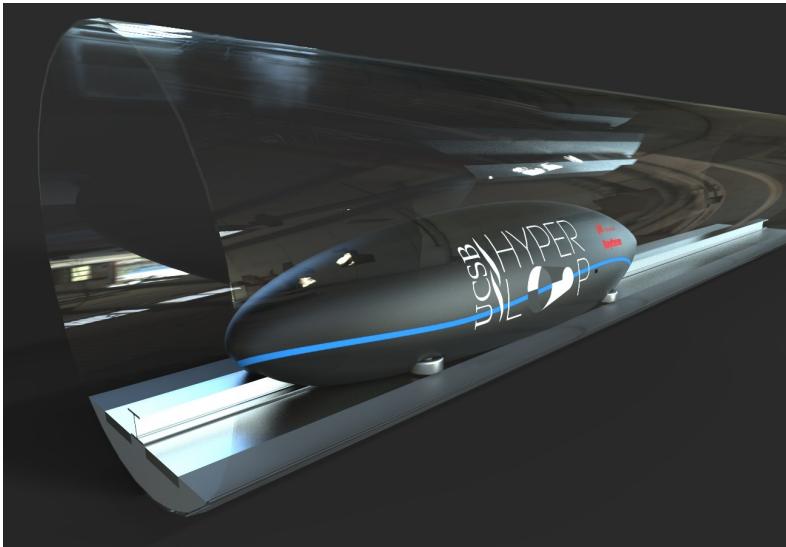
Hyperloop

Competition

Sponsors

ASFB Funding

THE HYPERLOOP



Introduction

Competition

Hyperloop

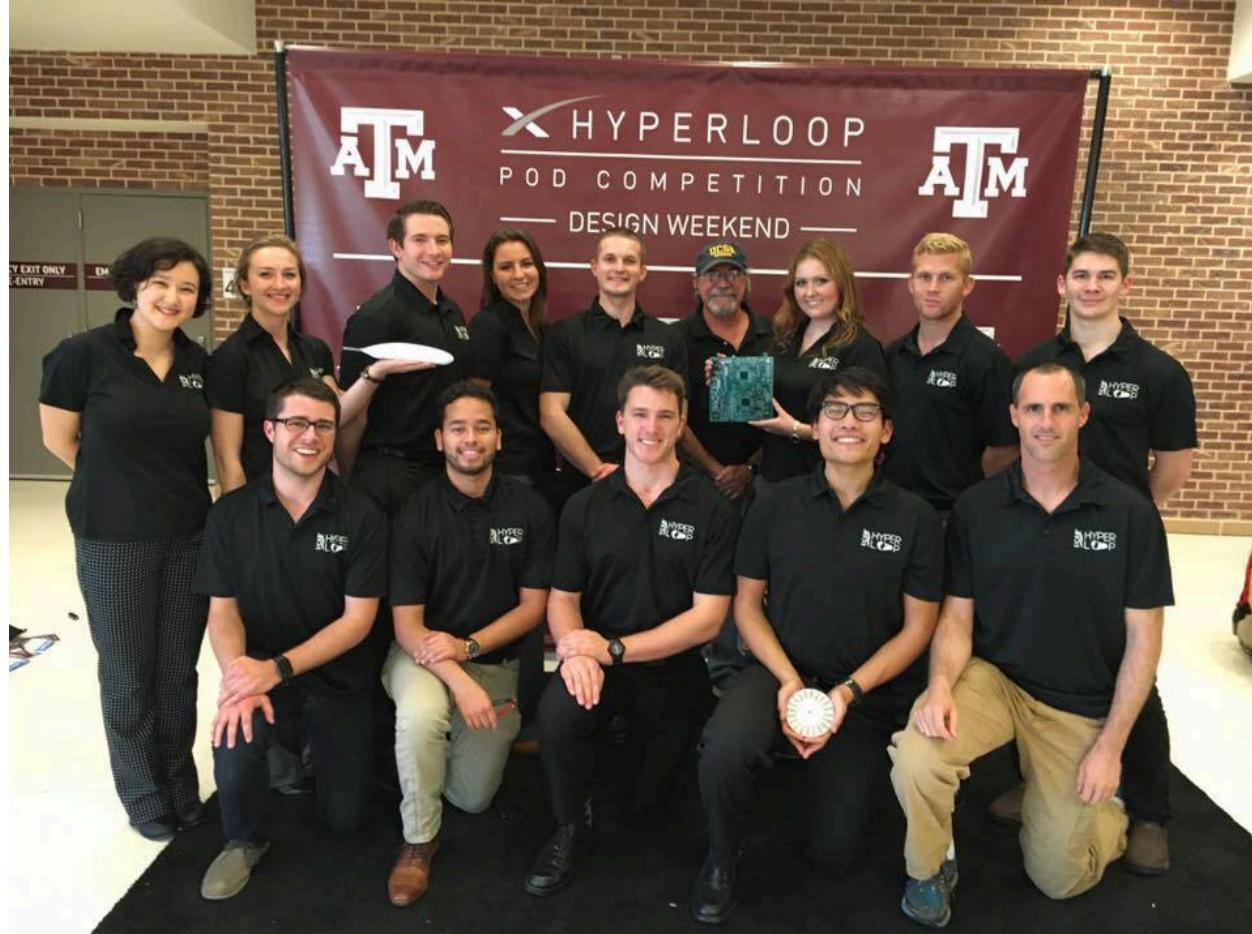
Competition

Sponsors

ASFB Funding

THE COMPETITION

- Design & Build 1/4th scale pod for a proof of concept
- Over 1000 teams entered last summer
- 77 attended Design Weekend at Texas A&M University in January
- We were one of the 30 teams selected to be selected to run our pod on the track in August at SpaceX HQ



Introduction

Competition

Hyperloop

Competition

Sponsors

ASFB Funding

SPONSORSHIPS

Raytheon

 **Ingersoll Rand**

**NORTHROP
GRUMMAN**

Jonathan Siegel

 **TENON**
INTERSYSTEMS

UC SANTA BARBARA

economics

 **CalChamber**
CALIFORNIA CHAMBER OF COMMERCE

- Have raised \$40,000 in sponsorships
- Need approximately \$10,000 more to complete purchasing of materials and test equipment
- Started a Tilt campaign and are seeking other funding sources

Introduction

Competition

Hyperloop

Competition

Sponsors

ASFB Funding

ASFB FUNDING

PRIORITY	EXPENSE	COST
1	ME A&L Stability System	-\$1,755.59
2	ME A&L Shell	-\$935.00
3	ME S&I Wheels	-\$432.58
4	ME S&I Magnetic Brakes	-\$899.93
5	EE Team	-\$5,880.50
6	ME S&I Friction Brakes	-\$746.50
7	ME S&I Shell Frame	-\$896.29
8	ME A&L Heat Dissipation	-\$400.00
9	ME A&L Test Track	-\$3,921.00
ACCOUNTS		
	Account DPB214	\$2,500.00
	Account DPB215	-\$4,182.00
	Account DPB216	\$2,500.00
	Account DPB218	\$3,056.00
	Tilt	\$1,611.00
TOTAL		-\$10,382.39

- Link to our budget is at ucsbhyperloop.com/asfb
- Detailed bill of materials is linked in the other sheets at the bottom
- Seeking a contribution of \$3K from A.S.**
- Precise expenditures that you would fund depends on timing
 - Parts & Spares
 - Testing equipment
 - Local Test track
 - Transportation
- We believe this competition to a great way to bolster UCSB's reputation on a world stage

Introduction

Competition

Hyperloop

Competition

Sponsors

ASFB Funding